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## Nova University News, July 1968

Nova University

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# NOVA UNIVERSITY NEWS

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*Nova University Association officers planning activities for the fall — left to right: Second Vice President Jack Lee, Treasurer William F. Calkins, Secretary Mrs. Jeanette Maracic, President Edward J. Marko, and First Vice President Andrew B. Carroll. (See story on page 3.)*

## UNIVERSITY, ESSA JOIN IN SEA STUDY

The University has joined this summer with U. S. oceanographers in conducting the most accurate survey ever made of the total structure of a segment of the Gulf Stream.

It is a study of the dynamics of a section of the Stream off the coast of North Carolina. Determinations of the Stream's speed, volume, direction, and source, and of its temperature from the ocean surface to the sea floor, will be used in a study of the physical processes of the great current.

The survey is being carried out jointly by the University and oceanographers of the Commerce Department's Environmental Science Services Administration (ESSA). Conducting the survey for ESSA are the Atlantic Oceanographic Laboratories at Miami and the Coast and Geodetic Survey's ship Mt. Mitchell, based at Jacksonville; Nova is using its ship, the Gulfstream. Chief ESSA scientists for the program are Frank Chew and George Berberian. In charge of the university study is Dr. William S. Richardson, Professor of Oceanography.

(continued on page 3)

## THREE PROFESSORS ARRIVING IN FALL

Professors from Harvard, the Massachusetts Institute of Technology, and the University of Miami will join the faculty of the University this fall, along with a postdoctoral fellow from The Netherlands.

The first three, Dr. Dayton E. Carritt, Dr. Dennis W. Moore and Dr. Russell Snyder, will be in oceanography, announced Dr. William S. Richardson, dean of the University's graduate faculty.

Dr. J. R. Moed, the postdoctoral fellow, is a biochemist, now working at the Hydrobiological Institute at Nieuwersluis. He earned his doctorate at the University of Leiden and has published several research papers on plant viruses.

Dr. Snyder holds a doctorate in Physical Oceanography from the University of California at La Jolla, along with a bachelor's degree from Wesleyan University and a master's from Princeton. He was a teaching assistant at Princeton and has been at the University of Miami since 1964. His research has been in the wind generation of ocean waves, the air-sea interface and related fields. A member of Phi Beta Kappa, he earned Ford Foundation and National Science Foundation fellowship awards.

Dr. Moore earned his Ph.D. in Applied Mathematics at Harvard last November. Presently he is a research assistant there. He has lived in Thailand, where he taught English and worked in the Hydrographic Office of the Royal Thai Navy. During several summers at the Woods Hole Oceanographic Institution in Massachusetts, he studied underwater sound transmission and the bursting of air bubbles at the air-sea interface, and served as scientific assistant on a research voyage from Athens, Greece, to Woods Hole.

Dr. Carritt will occupy the new GOLD KEY Chair of Physical Oceanography, established by the Nova University GOLD KEY support group of South Florida executives and professional men. He holds his doctorate from Harvard and has been professor of Chemical Oceanography at MIT for the past five years.



*Student families will reside here, in one-and two-bed - room units. Apartments will be available to faculties of the University, the Junior College and the Nova public schools for the time being.*



## STUDENT APARTMENTS SHAPE UP ON CAMPUS

Three student apartment buildings are rapidly taking shape on a section of the campus which ultimately will be a complete residential park.

Each of the three-story structures contains 30 units, having one or two bedrooms. They are to be completed by early September.

Until the student body size reaches the point where all of the units will be needed for this purpose, apartments will be available to the university faculty and staff, as well as to the faculties of the nearby Nova public schools and the Junior College.

The apartments are located on the southern portion of the campus, adjacent to a 30-foot-wide canal. The surrounding area is to be fully landscaped "to provide a visual barrier while creating, at the same time, a residential and recreational atmosphere," architect James M. Hartley said.

The park, while lying within the confines of the campus "will yet be isolated from the hurried activities of the academic and administrative centers," he explained.

"The educational concept of the university has, as one of its main principles, a close relationship between the student's home life and his academic life. This pre-supposes the creation of an environment which will exclude the distractions of the outside world and permit the student to utilize 100 percent of his time and effort in the pursuit of academic endeavors."

Each unit consists of a 12-by-20-foot combined living-dining-kitchen space, a full size bath and one or two bedrooms. Each will have central air conditioning, full carpeting and ceramic tile in the baths. Kitchens will be furnished with full-size ovens, range tops, refrigerators and metal cabinets. Countertops and sinks will be stainless steel. There will be a coin laundry in each building.

Walls between adjacent units are sound-insulated for maximum privacy, the architect emphasized.

The architecture has a "quiet, unobtrusive character, yet matching the main contemporary classic architectural theme of the campus academic buildings." The structure emphasizes durability, low maintenance and maximum privacy.

## GRANT RECEIVED FOR RESEARCH VESSEL

The University has been granted the sum of \$78,000 by the National Science Foundation for the purchase of the vessel Gulfstream, for use in oceanographic research.

Vice President C. I. Rice said the grant is effective July 1.

The Gulfstream is a 54-foot steel-hulled craft which the University has been using under a loan agreement. It is employed primarily in charting the flow of the Gulf Stream, a two-year project which covers the length of the current from below the tip of Florida to North Carolina.

The oceanographic group, under Dr. William S. Richardson, presently is working in the area of Cape Fear, N. C.

The boat, formerly called the Heldo and renamed by the University, has been especially fitted for dropping and recovering measuring instruments, and for the use of the high-precision radio navigation system employed in the research work.

The National Science Foundation also is funding three of the University's projects in oceanography.

## SCHOLARSHIP GIVEN TO CLARICE MORETH

University student Clarice Moreth has won a summer scholarship at the famous Woods Hole Oceanographic Institution in Massachusetts, for pursuit of her work in marine biology.

One of 15 winners among applicants from around the nation, she is taking a course in experimental botany which began June 17.

Mrs. Moreth is one of the original 19 students accepted when the University opened last September. A native of Madison, Wis., she holds a bachelor's degree in Natural Sciences and a master's in Science Education/Biology from the University of Wisconsin.

Her husband, Roman E. Moreth, is a Fort Lauderdale yacht broker.



## HOLLYWOOD WOMEN SEEKING MEMBERS

"Women of foresight" are being sought by the Women's Division of the Hollywood Founders of the University, to become members and assist in the creation of the library for the Education Center.

Letters have been mailed to a number of women in the South Broward area who have expressed interest in the project, it was announced by the chairman of the Division, Mrs. Elbert McLaury. The letters suggest Annual Memberships at \$10, Life Memberships at \$100, and Endowment Memberships at \$1,000.

An Endowment Member becomes the sponsor of a shelf of books in the library, with her name on an appropriate plaque on the shelf.

Women's organizations also are being approached with the request that they designate the Education Center as one of the projects in their 1968-69 budgets. The Pilot Club, the Hollywood Junior Woman's Club and Xi Epsilon Tau Chapter of Beta Sigma Phi Sorority have become members, Mrs. McLaury reported.

"To create a library suitable for accreditation," she explained, "thousands of up-to-date textbooks are required. Subscriptions to educational periodicals alone cost more than \$5,000 annually."

It is anticipated that ground will be broken for the \$1.6 million Education Center in the fall. It is to be completed about mid-1969.

### Sea Study (continued from page 1)

Both ESSA and the university are covering the same section across the Gulf Stream — southeast from Cape Fear, N. C. — each with its own ship. In addition, ESSA will work downstream to the vicinity of Cape Hatteras, N. C. The ESSA program consisted of two 10-day voyages during June, while the University group is spending an overlapping six weeks in the area.

Berberian explained why the survey is considered the most detailed and accurate to be made of the structure of the current.

"Two different methods are being used to obtain data on the Gulf Stream's speed, volume, direction, and temperature. Each complements the other. Furthermore, both ships obtain these data at the same positions in the stream. These positions are accurately determined by a radio navigation system (HI-FIX) which permits positioning to within a few feet. The ships maintain constant communication with each other as they work.

"This is the first time two vessels have conducted such a survey simultaneously with such precise positioning. Our combined data should be the most accurate ever obtained of the current's structure."

The survey is an extension of the studies made of the Gulf Stream by ESSA in 1965-67. It differs primarily in being a more intensive investigation of a smaller segment of the stream with more kinds of observations being made simultaneously in the same region.



Use of a new Chevrolet has been supplied to the University by Slaton Chevrolet of Fort Lauderdale, shown here represented by Sales Manager Bill Hedleston, left, as Board Chairman James Farquhar accepts the gift. The scene is the campus in Davie, with the Rosenthal Center in the background.

## ASSOCIATION PLANS ACTIVITIES IN FALL

Officers of the Nova University Association have laid tentative plans for a special activity at the campus and a membership campaign during the early fall, perhaps to be followed by an event such as a weekend air excursion later.

As members of the Executive Committee held their first meeting of the new year on June 19, President Edward J. Marko proposed broadening the base of the membership and scheduling an activity which would give all members a complete familiarization tour of the campus.

It was announced that preparations are being made for occupying the Louis W. Parker Physical Sciences Center during the fall. Completion of the student apartment complex now under construction also is scheduled for that period.

Marko is an attorney who was elected to the presidency in May. Attending the Executive Committee meeting were First Vice President Andrew B. Carroll, stockbroker with Reynolds & Co.; Second Vice President J. A. Lee, an executive of the Red Barn Systems restaurant chain; Secretary Mrs. Nicholas Maracic who is executive secretary of the Hallandale Chamber of Commerce; Treasurer William F. Calkins, Nova's director of University Relations, and Mrs. Presley Anheuser, executive secretary of the Association.

## RETAILERS DONATING

Merchants and other business places of the Fort Lauderdale area already have begun delivering items for the Retail Merchants Bazaar to be held again next October for the University's benefit.

Birch Willey of the Hobby Shop, chairman of the Retail Merchants Division of the Greater Fort Lauderdale Chamber of Commerce, reported that more than a dozen establishments "already have responded generously with merchandise, certificates and tickets."

The business places recently were invited to donate now any items which they wanted to get out of their stocks for the summer. Storage space is being provided without charge by F. W. Murray of the Murray Van & Storage Company.



## DR. FISCHLER TELLS OF HARTFORD STUDY

South Florida's "inner city" problems lend themselves to some relief through re-examination of the educational systems that affect those areas, the University's Professor of Education told the Miami Shores Rotary Club recently.

Dr. A. S. Fischler, discussing a research project he has undertaken in Hartford, Conn., said, "Much of what we learn will be applicable to Miami and other cities having these problems," but added that "business, industry and the state legislature would have to become involved."

Such a program, he stated, requires "a hard look at the relevancy of the applicable educational programs, in the light of changes in population and economic conditions that have occurred."

In Hartford, Dr. Fischler reported, his Nova University research group will probe "the studying styles and patterns of children, their value and belief systems."

"We will seek to install individualized instruction that will prevent failures and improve the overall quality of the education. We will attempt to create a program of continuing education that will include even dropouts, and in general attempt to prevent cultural deprivation rather than to treat it."

Reviewing current programs for the Rotary Club members, he said the oceanographers, under Dr. William S. Richardson and Dr. Peter Niiler, are studying the flow of water in the Gulf Stream and building a "mathematical model" of this flow, "so that from observations here, it will be possible to predict what will happen farther north." Marine Biologist Charles S. Yentsch is studying the process of photosynthesis in these waters, and exploring the problem of water pollution. Dr. Kuldeep Chopra, professor of Applied Physics, is performing research in air turbulence. Dr. Joseph Lipson, professor of Science Education, is studying the subject of "managerial decisions that are made by teachers in schools which have individualized instruction," and Dr. John M. Flynn, instructor of Educational Psychology, is researching "the variables that are related to programmed instruction."

## KENDALL CAPTURES PHOTOGRAPHY AWARDS

Oceanography student Thomas Robert Kendall carried off three first-place awards in this year's 11th annual International Underwater Film Festival held in Hollywood, California. His winning photographs were taken in Hawaii, where he spent three years at the University of Hawaii.

An accomplished photographer in this field, Kendall also recently delivered a paper on underwater lighting conditions to the Marine Technology Society Symposium on Underwater Photography at Pier 66.

He discussed the introduction of artificial light under water in balance with natural light, and the colors available at various depths in terms of natural and artificial light.

## DR. BAIG ADDED TO OCEANOGRAPHY GROUP

Dr. Stephen R. Baig, a chemical oceanographer from Nova Scotia, has joined the faculty of the University as a postdoctoral fellow, and is performing special studies in the disposition of certain organic materials in sea water.

His work involves tracing what scientists refer to as "yellow material," which is largely decayed plant life present in fresh-water streams flowing to the seas.

"When it reaches salt water," Dr. Baig said, "it just disappears. We would like to know what it is and where it goes. It doesn't just disperse; there's no gradual tailing off. Some people propose that it settles to the bottom and forms part of the ooze."

"Since it may contain a lot of amino acid," he added, "it could be valuable. But in any case, knowing what happens to it would be of fundamental importance. A number of people are trying to find out."

Dr. Baig was conducting similar studies at Dalhousie University in Halifax before he came to the University to work with marine biologist Charles S. Yentsch. A native Canadian with a Bachelor of Science degree from Mount Allison University and a doctorate from Dalhousie, he is also a photographer who has made underwater films for the Canadian government. He earned Dalhousie Graduate Awards in 1963 and 1966, and held Canadian Industries Ltd. Fellowships from 1963 until 1965. With Professor Yentsch, he is taking samples of local canal water for his work and making other studies in the Gulf Stream and around the Bahamas Islands.



### NOVA UNIVERSITY

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